

## EAST Search History

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--|------------------|---------|------------------|
| L1    | 1270 | air and photocatalytic and oxidation and (uv or ultraviolet)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/10/15 10:21 |
| L2    | 366  | air and photocatalytic near3 oxidation and (uv or ultraviolet)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/10/15 10:21 |
| L3    | 196  | air and photocatalytic near3 oxidation and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/10/15 10:21 |
| L4    | 19   | air with duct and photocatalyst and oxidation and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc)                | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/10/15 10:21 |
| L5    | 406  | air and photocatalyst and oxidation and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc)                          | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/10/15 10:21 |
| L6    | 139  | air and photocatalyst and oxidation and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc) and activated adj carbon | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/10/15 10:21 |
| L7    | 33   | air and photocatalyst and oxidation and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) near3 filter and (contaminants or pollutants or voc)             | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/10/15 10:21 |

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| L8  | 406 | air and photocatalyst and oxidation and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L9  | 6   | (("6491254") or ("6358374") or ("5933702") or ("5835840") or ("20030019738") or ("20020160913")).PN.   | US-PGPUB; USPAT; USOCR                             | OR | OFF | 2008/10/15 10:21 |
| L10 | 57  | air with (purify or purified or steriliz\$ or disinfect\$ or decontaminat\$) and photocatalyst and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc) and activated adj carbon | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L11 | 148 | air and (purify or purified or steriliz\$ or disinfect\$ or decontaminat\$) and photocatalyst and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and activated adj carbon  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L12 | 92  | air and (purify or purified or steriliz\$ or disinfect\$ or decontaminat\$) and photocatalyst and (adsorb or adsorbent or absorb or absorbent) with (contaminant or voc or pollutant)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L13 | 2   | (("4680163") or ("5382410")).PN.   | US-PGPUB; USPAT; USOCR                             | OR | OFF | 2008/10/15 10:21 |
| L14 | 1   | "20020170815" and adsorbent  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |

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| L15 | 97  | air with (purify or purified or steriliz\$ or disinfect\$ or decontaminat\$) and photocatalyst and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc) and filter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L16 | 387 | (air or gas) and photocatalyst and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc) and filter   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L17 | 78  | (air or gas) and photocatalyst and (uv or ultraviolet) and (contaminants or pollutants or voc) and filter with activated adj (charcoal or carbon)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L18 | 657 | (air or gas) and photocatalyst and (uv or ultraviolet) and (contaminants or pollutants or voc) and filter  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L19 | 256 | (air or gas) and photocatalyst and (uv or ultraviolet) and (contaminants or pollutants or voc) and filter and series   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L20 | 102 | stephen with yates   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L21 | 4   | stephen with yates and photocatalyst   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L22 | 1   | felipe with fuentes and photocatalyst  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |

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| L23 | 2   | peter with michalakos and photocatalyst  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L24 | 1   | mark with kaiser and photocatalyst   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L25 | 1   | chin with chang and photocatalyst  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L26 | 3   | brian with krafthefer and photocatalyst  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L27 | 59  | (air or gas) and photocatalyst and (adsorb or adsorbent or absorb or absorbent) near3 filter and (contaminants or pollutants or voc) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L28 | 177 | (air or gas) and photocatalyst and (adsorb or adsorbent or absorb or absorbent) with (contaminants or pollutants or voc)             | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L29 | 1   | "20050053515" and ECS  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L30 | 188 | air near4 (purify or purified or steriliz\$ or disinfect\$ or decontaminat\$) and (aircraft or airplane) and cabin                   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L31 | 158 | aluminum with photocatalyst and ultraviolet  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L32 | 3   | aluminum and "6531100"   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |

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| L33 | 1    | "20050053515" and intake adj unit  | US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L34 | 10   | di with wei and photocatalyst  | US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L35 | 1331 | (uv or ultraviolet) and photocatalyst and (disinfect\$ or decontaminat\$ or sanitiz\$ or steriliz\$)                                     | US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L36 | 121  | (uv or ultraviolet) and photocatalyst and (disinfect\$ or decontaminat\$ or sanitiz\$ or steriliz\$) and duct                            | US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L37 | 53   | (plural or multiple) with (uv or ultraviolet) and photocatalyst and (disinfect\$ or decontaminat\$ or sanitiz\$ or steriliz\$ or purify) | US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L38 | 1310 | 422/186.3  | US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L39 | 1100 | 422/120  | US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L40 | 2    | "20050053515"  | US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L41 | 1270 | air and photocatalytic and oxidation and (uv or ultraviolet)   | US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |

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| L42 | 19  | air with duct and photocatalyst and oxidation and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc)                | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L43 | 139 | air and photocatalyst and oxidation and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc) and activated adj carbon | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L44 | 406 | air and photocatalyst and oxidation and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc)                          | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L45 | 196 | air and photocatalytic near3 oxidation and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L46 | 366 | air and photocatalytic near3 oxidation and (uv or ultraviolet)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L47 | 33  | air and photocatalyst and oxidation and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) near3 filter and (contaminants or pollutants or voc)             | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L48 | 406 | air and photocatalyst and oxidation and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc)                          | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |

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| L49 | 148 | air and (purify or purified or steriliz\$ or disinfect\$ or decontaminat\$) and photocatalyst and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and activated adj carbon  | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L50 | 6   | (("6491254") or ("6358374") or ("5933702") or ("5835840") or ("20030019738") or ("20020160913")).PN.   | US-PGPUB; USPAT; USOOR                             | OR | OFF | 2008/10/15 10:21 |
| L51 | 92  | air and (purify or purified or steriliz\$ or disinfect\$ or decontaminat\$) and photocatalyst and (adsorb or adsorbent or absorb or absorbent) with (contaminant or voc or pollutant)  | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L52 | 57  | air with (purify or purified or steriliz\$ or disinfect\$ or decontaminat\$) and photocatalyst and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc) and activated adj carbon | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L53 | 1   | "20020170815" and adsorbent  | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L54 | 2   | (("4680163") or ("5382410")).PN.   | US-PGPUB; USPAT; USOOR                             | OR | OFF | 2008/10/15 10:21 |
| L55 | 97  | air with (purify or purified or steriliz\$ or disinfect\$ or decontaminat\$) and photocatalyst and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc) and filter               | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |

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| L56 | 78  | (air or gas) and photocatalyst and (uv or ultraviolet) and (contaminants or pollutants or voc) and filter with activated adj (charcoal or carbon)          | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L57 | 387 | (air or gas) and photocatalyst and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc) and filter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L58 | 2   | peter with michalakos and photocatalyst  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L59 | 59  | (air or gas) and photocatalyst and (adsorb or adsorbent or absorb or absorbent) near3 filter and (contaminants or pollutants or voc)                       | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L60 | 1   | chin with chang and photocatalyst  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L61 | 3   | brian with krafthefer and photocatalyst  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L62 | 1   | felipe with fuentes and photocatalyst  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L63 | 657 | (air or gas) and photocatalyst and (uv or ultraviolet) and (contaminants or pollutants or voc) and filter  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L64 | 102 | stephen with yates   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |

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| L65 | 4    | stephen with yates and photocatalyst   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L66 | 256  | (air or gas) and photocatalyst and (uv or ultraviolet) and (contaminants or pollutants or voc) and filter and series     | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L67 | 177  | (air or gas) and photocatalyst and (adsorb or adsorbent or absorb or absorbent) with (contaminants or pollutants or voc) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L68 | 1    | mark with kaiser and photocatalyst   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L69 | 1    | "20050053515" and ECS  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L70 | 188  | air near4 (purify or purified or steriliz\$ or disinfect\$ or decontaminat\$) and (aircraft or airplane) and cabin       | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L71 | 158  | aluminum with photocatalyst and ultraviolet  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L72 | 1    | "20050053515" and intake adj unit  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L73 | 3    | aluminum and "6531100"   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L74 | 1331 | (uv or ultraviolet) and photocatalyst and (disinfect\$ or decontaminat\$ or sanitiz\$ or steriliz\$)                     | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |

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| L75 | 121  | (uv or ultraviolet) and photocatalyst and (disinfect\$ or decontaminat\$ or sanitiz\$ or steriliz\$) and duct                            | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L76 | 53   | (plural or multiple) with (uv or ultraviolet) and photocatalyst and (disinfect\$ or decontaminat\$ or sanitiz\$ or steriliz\$ or purify) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L77 | 10   | di with wei and photocatalyst  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L78 | 1310 | 422/186.3  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L79 | 1100 | 422/120  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L80 | 2    | "20050053515"  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L81 | 1270 | air and photocatalytic and oxidation and (uv or ultraviolet)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L82 | 366  | air and photocatalytic near3 oxidation and (uv or ultraviolet)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L83 | 196  | air and photocatalytic near3 oxidation and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent)                          | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |

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| L84 | 19  | air with duct and photocatalyst and oxidation and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L85 | 406 | air and photocatalyst and oxidation and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L86 | 139 | air and photocatalyst and oxidation and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc) and activated adj carbon  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L87 | 33  | air and photocatalyst and oxidation and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) near3 filter and (contaminants or pollutants or voc)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L88 | 406 | air and photocatalyst and oxidation and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L89 | 6   | (("6491254") or ("6358374") or ("5933702") or ("5835840") or ("20030019738") or ("20020160913")).PN.   | US-PGPUB; USPAT; USOCR                             | OR | OFF | 2008/10/15 10:21 |
| L90 | 57  | air with (purify or purified or steriliz\$ or disinfect\$ or decontaminat\$) and photocatalyst and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc) and activated adj carbon | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |

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| L91 | 148 | air and (purify or purified or steriliz\$ or disinfect\$ or decontaminat\$) and photocatalyst and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and activated adj carbon                            | US-PGPUB; USPAT; USOOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L92 | 92  | air and (purify or purified or steriliz\$ or disinfect\$ or decontaminat\$) and photocatalyst and (adsorb or adsorbent or absorb or absorbent) with (contaminant or voc or pollutant)                                      | US-PGPUB; USPAT; USOOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L93 | 2   | (("4680163") or ("5382410")).PN.   | US-PGPUB; USPAT; USOOCR                             | OR | OFF | 2008/10/15 10:21 |
| L94 | 1   | "20020170815" and adsorbent  | US-PGPUB; USPAT; USOOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L95 | 97  | air with (purify or purified or steriliz\$ or disinfect\$ or decontaminat\$) and photocatalyst and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc) and filter | US-PGPUB; USPAT; USOOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L96 | 387 | (air or gas) and photocatalyst and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc) and filter   | US-PGPUB; USPAT; USOOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L97 | 78  | (air or gas) and photocatalyst and (uv or ultraviolet) and (contaminants or pollutants or voc) and filter with activated adj (charcoal or carbon)  | US-PGPUB; USPAT; USOOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |

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|------|-----|--|--|----|----|------------------|
| L98  | 657 | (air or gas) and photocatalyst and (uv or ultraviolet) and (contaminants or pollutants or voc) and filter            | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L99  | 256 | (air or gas) and photocatalyst and (uv or ultraviolet) and (contaminants or pollutants or voc) and filter and series | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L100 | 102 | stephen with yates   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L101 | 4   | stephen with yates and photocatalyst   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L102 | 1   | felipe with fuentes and photocatalyst  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L103 | 2   | peter with michalakos and photocatalyst  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L104 | 1   | mark with kaiser and photocatalyst   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L105 | 1   | chin with chang and photocatalyst  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L106 | 3   | brian with krafthefer and photocatalyst  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |

|      |      |  |  |    |    |                  |
|------|------|--|--|----|----|------------------|
| L107 | 59   | (air or gas) and photocatalyst and (adsorb or adsorbent or absorb or absorbent) near3 filter and (contaminants or pollutants or voc) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L108 | 177  | (air or gas) and photocatalyst and (adsorb or adsorbent or absorb or absorbent) with (contaminants or pollutants or voc)             | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L109 | 1    | "20050053515" and ECS  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L110 | 188  | air near4 (purify or purified or steriliz\$ or disinfect\$ or decontaminat\$) and (aircraft or airplane) and cabin                   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L111 | 158  | aluminum with photocatalyst and ultraviolet  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L112 | 3    | aluminum and "6531100"   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L113 | 1    | "20050053515" and intake adj unit  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L114 | 10   | di with wei and photocatalyst  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L115 | 1331 | (uv or ultraviolet) and photocatalyst and (disinfect\$ or decontaminat\$ or sanitiz\$ or steriliz\$)                                 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L116 | 121  | (uv or ultraviolet) and photocatalyst and (disinfect\$ or decontaminat\$ or sanitiz\$ or steriliz\$) and duct                        | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |

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|------|------|---|--|----|----|------------------|
| L117 | 53   | (plural or multiple) with (uv or ultraviolet) and photocatalyst and (disinfect\$ or decontaminat\$ or sanitiz\$ or steriliz\$ or purify)                                      | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L118 | 1310 | 422/186.3   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L119 | 1100 | 422/120   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L120 | 2    | "20050053515"   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L121 | 1270 | air and photocatalytic and oxidation and (uv or ultraviolet)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L122 | 19   | air with duct and photocatalyst and oxidation and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc)                | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L123 | 139  | air and photocatalyst and oxidation and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc) and activated adj carbon | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L124 | 406  | air and photocatalyst and oxidation and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc)                          | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |

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|------|-----|---|--|----|-----|------------------|
| L125 | 196 | air and photocatalytic near3 oxidation and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L126 | 366 | air and photocatalytic near3 oxidation and (uv or ultraviolet)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L127 | 33  | air and photocatalyst and oxidation and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) near3 filter and (contaminants or pollutants or voc)                               | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L128 | 406 | air and photocatalyst and oxidation and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L129 | 148 | air and (purify or purified or steriliz\$ or disinfect\$ or decontaminat\$) and photocatalyst and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and activated adj carbon | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L130 | 6   | (("6491254") or ("6358374") or ("5933702") or ("5835840") or ("20030019738") or ("20020160913")).PN.  | US-PGPUB; USPAT; USOCR                             | OR | OFF | 2008/10/15 10:21 |
| L131 | 92  | air and (purify or purified or steriliz\$ or disinfect\$ or decontaminat\$) and photocatalyst and (adsorb or adsorbent or absorb or absorbent) with (contaminant or voc or pollutant)           | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |

|      |     |  |  |    |     |                  |
|------|-----|--|--|----|-----|------------------|
| L132 | 57  | air with (purify or purified or steriliz\$ or disinfect\$ or decontaminat\$) and photocatalyst and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc) and activated adj carbon | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L133 | 1   | "20020170815" and adsorbent  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L134 | 2   | (("4680163") or ("5382410")).PN.   | US-PGPUB; USPAT; USOCR                             | OR | OFF | 2008/10/15 10:21 |
| L135 | 97  | air with (purify or purified or steriliz\$ or disinfect\$ or decontaminat\$) and photocatalyst and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc) and filter               | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L136 | 78  | (air or gas) and photocatalyst and (uv or ultraviolet) and (contaminants or pollutants or voc) and filter with activated adj (charcoal or carbon)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L137 | 387 | (air or gas) and photocatalyst and (uv or ultraviolet) and (adsorb or adsorbent or absorb or absorbent) and (contaminants or pollutants or voc) and filter   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L138 | 2   | peter with michalakos and photocatalyst  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |
| L139 | 59  | (air or gas) and photocatalyst and (adsorb or adsorbent or absorb or absorbent) near3 filter and (contaminants or pollutants or voc)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/15 10:21 |

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|------|-----|--|--|----|----|------------------|
| L140 | 1   | chin with chang and photocatalyst  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L141 | 3   | brian with krafthefer and photocatalyst  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L142 | 1   | felipe with fuentes and photocatalyst  | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L143 | 657 | (air or gas) and photocatalyst and (uv or ultraviolet) and (contaminants or pollutants or voc) and filter                | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L144 | 102 | stephen with yates   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L145 | 4   | stephen with yates and photocatalyst   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L146 | 256 | (air or gas) and photocatalyst and (uv or ultraviolet) and (contaminants or pollutants or voc) and filter and series     | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L147 | 177 | (air or gas) and photocatalyst and (adsorb or adsorbent or absorb or absorbent) with (contaminants or pollutants or voc) | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |
| L148 | 1   | mark with kaiser and photocatalyst   | US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/15 10:21 |

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|------|------|--|--|----|----|---------------------|
| L149 | 1    | "20050053515" and ECS  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/15<br>10:21 |
| L150 | 188  | air near4 (purify or purified or steriliz\$ or disinfect\$ or decontaminat\$) and (aircraft or airplane) and cabin                       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/15<br>10:21 |
| L151 | 158  | aluminum with photocatalyst and ultraviolet  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/15<br>10:21 |
| L152 | 1    | "20050053515" and intake adj unit  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/15<br>10:21 |
| L153 | 3    | aluminum and "6531100"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/15<br>10:21 |
| L154 | 1331 | (uv or ultraviolet) and photocatalyst and (disinfect\$ or decontaminat\$ or sanitiz\$ or steriliz\$)                                     | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/15<br>10:21 |
| L155 | 121  | (uv or ultraviolet) and photocatalyst and (disinfect\$ or decontaminat\$ or sanitiz\$ or steriliz\$) and duct                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/15<br>10:21 |
| L156 | 53   | (plural or multiple) with (uv or ultraviolet) and photocatalyst and (disinfect\$ or decontaminat\$ or sanitiz\$ or steriliz\$ or purify) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/15<br>10:21 |
| L157 | 10   | di with wei and photocatalyst  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/15<br>10:21 |
| L158 | 1310 | 422/186.3  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/15<br>10:21 |

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| L159 | 1100 | 422/120       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/15<br>10:21 |
| L160 | 2    | "20050053515" | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/15<br>10:21 |

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